We believe design is about more than the space or technology being used.

As antimicrobial resistance and the emergence of novel viral pathogens loom larger in headlines, the need for infection control across health systems has reached a new urgency. Keeping patients and staff safe is at the heart of any effective infection control measure, so a better understanding of and adherence to instrument processing best practices is truly essential for every facility.
Infection Prevention Matters

Every day patients walk into healthcare facilities to be treated and walk out with a healthcare acquired infection (HAI). These types of infections can have devastating medical and financial implications—worse, they can be deadly.¹ And these types of infections are not limited to hospitals. Don’t take chances with the health of your patients and staff, or the safety standards of your health system.

Midmark instrument processing solutions provide the solid foundation you need for worry-free infection prevention measures, based on best practices you can trust.

2 MILLION PEOPLE DEVELOP AN HAI EACH YEAR IN THE US.²
Instrument Processing Essentials

Following the instrument processing best practices established by the CDC, create a smooth workflow from dirty to clean, helping contain contamination and maximizing the efficiency of your instrument cleaning and sterilization processes.

**STEP 1** Receiving, Cleaning + Decontamination
Reusable instruments, supplies and equipment should be received, cleaned and decontaminated in one section of the processing area.

**STEP 2** Preparation + Packaging
Cleaned instruments and other supplies should be inspected, assembled into sets or trays, and wrapped or packaged for sterilization.

**STEP 3** Sterilization
The sterilization area should include the sterilizer and related supplies with adequate space for loading, unloading and cool down.

**STEP 4** Monitoring/Sterility Assurance
Use and keep record of mechanical, chemical and biological monitoring to ensure the effectiveness of the sterilization process.

**STEP 5** Storage
The storage area should contain space for sterile items and disposables. Supplies and instruments should not be stored under sinks or in other locations where they might become wet.
If an instrument is not clean, it will not become sterile. That’s why it’s so important to ensure that instruments are thoroughly cleaned prior to sterilization. QuickClean Ultrasonic Cleaners eliminate hidden residues manual cleaning may miss, providing powerful, effective cleaning with consistent results. And QuickClean uses advanced technology to help create a safer, more efficient work environment by decreasing worker exposure to contaminants and sharps injuries while reducing the time and effort needed for cleaning.

Choose the option that best fits your space and workflow needs. QuickClean comes in three tabletop sizes (1.2-, 3.3- and 6.6-gallon).

QuickClean is available in two recessed options (3.3- or 6.6-gallon).

The stainless steel finish and attractive design coordinate well with most décor.
Simple, Powerful Technology

QuickClean® is easy to use right out of the box, so your staff can be up and running with minimal training time. Advanced Frequency-Leap technology helps ensure your instruments are fully cleaned the first time, every time no matter where they are placed in the basket.

**ACCESSORIES + SERVICE PARTS**

- **Beaker Accessories**
  - 9A612001 - QC1 – 2 Beaker Accessory
  - 9A613001 - QC3/QC3R – 4 Beaker Accessory
  - 9A614001 - QC6/QC6R – 6 Beaker Accessory

- **Extra Safety Baskets**
  - 002-10007-00 - QC1 Safety Basket
  - 002-10008-00 - QC3/QC3R Safety Basket
  - 002-10009-00 - QC6/QC6R Safety Basket

- **Cleaning Solutions**
  - 9A296001 Midmark General Purpose Cleaner (32 oz)
  - 9A297001 Midmark Tartar and Stain Remover (32 oz)
  - 9A298001 Midmark Enzymatic Cleaner (32 oz)

**QUICKCLEAN MODELS**

<table>
<thead>
<tr>
<th></th>
<th>QC1-01</th>
<th>QC3-01</th>
<th>QC3R-01</th>
<th>QC6-01</th>
<th>QC6R-01</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Unit</strong></td>
<td>Tabletop Unit</td>
<td>Tabletop Unit</td>
<td>Recessed Unit</td>
<td>Tabletop Unit</td>
<td>Recessed Unit</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>1.2 Gal/4.5 L</td>
<td>3.3 Gal/12.5 L</td>
<td>3.3 Gal/12.5 L</td>
<td>6.6 Gal/25 L</td>
<td>6.6 Gal/25 L</td>
</tr>
<tr>
<td><strong>Size of Unit</strong></td>
<td>13” L x 10.2” W x 10.4” H (33.5 x 26 x 26.5 cm)</td>
<td>14.7” L x 16.5” W x 10.4” H (37.5 x 42 x 26.5 cm)</td>
<td>15.5” L x 14.3” W x 9.5” H (39.5 x 36.5 cm)</td>
<td>21.6” L x 16.5” W x 14.3” H (55 x 42 x 36.5 cm)</td>
<td>22.4” L x 14.3” W x 9.5” H (57 x 36.5 cm)</td>
</tr>
<tr>
<td><strong>Size of Tank</strong></td>
<td>11.8” L x 5.9” W x 5.9” H (30.5 x 15 x 15 cm)</td>
<td>13” L x 11.8” W x 5.9” H (33 x 30 x 15 cm)</td>
<td>13” L x 11.8” W x 5.9” H (33 x 30 x 15 cm)</td>
<td>19.9” L x 11.8” W x 7.9” H (50.5 x 30 x 20 cm)</td>
<td>19.9” L x 11.8” W x 7.9” H (50.5 x 30 x 20 cm)</td>
</tr>
<tr>
<td><strong>Limited Warranty</strong></td>
<td>3 Years</td>
<td>3 Years</td>
<td>3 Years</td>
<td>3 Years</td>
<td>3 Years</td>
</tr>
<tr>
<td><strong>Average Sound Level (with lid on)</strong></td>
<td>68 dB</td>
<td>61 dB</td>
<td>61 dB</td>
<td>69 dB</td>
<td>66 dB</td>
</tr>
</tbody>
</table>
When you invest in Ritter sterilizers, you can be confident you are getting the best—our sterilizers are the market leaders year after year. Ritter sterilizers are designed to be safe, dependable and easy to use. In fact, every unit is inspected and ASME-certified by a third-party, licensed inspector. And all our sterilizers are backed with over 100 years of manufacturing experience built into each one.

**SAFETY FEATURES**

*Programmed Controls:* Once a pre-programmed cycle is selected, the unit is designed to sterilize automatically without any operator assistance.

*Smart Technology:* If the door isn’t closed completely or the water level is low, the sterilizer will automatically stop and alert the operator to take proper action.

*Open-Door Drying:* Once sterilization is complete, the door opens automatically and quietly to dissipate steam and dry your instruments.

**Trust the Best**

**RITTER® M3, M9 + M11 STEAM STERILIZERS**

01 **Ritter M11® Steam Sterilizer**
   Its 11” x 18” chamber makes it the largest of any standard countertop sterilizer on the market.

02 **Ritter M9® Steam Sterilizer**
   Pack all the reliable sterilizing power you need into a compact unit perfect for areas with limited space.

03 **Ritter M3™ Steam Sterilizer**
   Sterilize unwrapped instruments in 6 minutes and pouched instruments in just over 10 minutes.
ACCESSORIES THAT HELP ADD VERSATILITY + FUNCTION

STANDARD CYCLE PARAMETERS

<table>
<thead>
<tr>
<th>Pre-Programmed Cycle</th>
<th>Sterilization Temperature</th>
<th>Hot Cycle Time (in minutes)</th>
<th>Sterilization Time</th>
<th>Dry Time (in minutes)</th>
<th>Total Hot Cycle Time w/ Dry (in minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Units (M11, M9, M3)</td>
<td>270°F (132°C)</td>
<td>0 0 2.5</td>
<td>30 30 25</td>
<td>32 14 6</td>
<td>32 44 31</td>
</tr>
<tr>
<td>Unwrapped</td>
<td>270°F (132°C)</td>
<td>19 11 2.5</td>
<td>30 30 25</td>
<td>32 14 6</td>
<td>32 44 31</td>
</tr>
<tr>
<td>Pouches</td>
<td>270°F (132°C)</td>
<td>20 12 5</td>
<td>30 30 30</td>
<td>24 16 10.5</td>
<td>34 46 40.5</td>
</tr>
<tr>
<td>Packs/Low Temp</td>
<td>270°F (132°C)</td>
<td>16 10 4.5</td>
<td>30 30 50</td>
<td>46 40 24.5</td>
<td>78 70 74.5</td>
</tr>
<tr>
<td>Handpieces</td>
<td>250°F (121°C)</td>
<td>26 15 N/A</td>
<td>30 30 N/A</td>
<td>30 19 N/A</td>
<td>60 49 N/A</td>
</tr>
</tbody>
</table>

M9/M11 Printer 9A599001
Records and prints critical sterilization cycle data including time, temperature and pressure.

Cool Hand Tool 9A307001
Designed to help reduce the risk of staff injury by making it safer and simpler to load and unload your sterilizer.

Pouch Rack 002-2108-00
+ 002-2108-01
Designed to separate sterilization pouches for enhanced steam circulation and drying.

Sterilizer Data Logger 9A682001
Simplify and streamline the documentation of physical and mechanical performance (sterilization time and temperature) of every sterilization cycle.

Data Logger USB Device 002-10502-00
Replacement or additional USB devices are available for the Sterilizer Data Logger.

ACCESSORIES FOR THE M9® + M11® STERILIZERS

Top Cover Protector 9A404001
Use the cover protector to shield the M3 from scratches or damages.

M3 Printer 9A401001
Records and prints critical sterilization cycle data including time, temperature and pressure.

Door Tray 9A402001
The door tray accessory allows you to prepare an additional load for sterilization before the previous load is complete, saving valuable time.

ACCESSORIES FOR THE M3™ STERILIZER

VISTACOOL™ DIRECT-TO-DRAIN WATER ELIMINATION SYSTEM

The VistaCool Direct-To-Drain sterilizer wastewater elimination system makes labor-intensive condensate tanks unnecessary, freeing your staff to spend more time with patients and less time tending to equipment.

Single VistaCool unit 9A586001
Designed to be compatible with the Ritter M3

Double VistaCool unit 9A586002
Designed to be compatible with any two current Ritter® sterilizers.
Your Instrument Processing Center

STERILIZATION GOALS MAY BE UNIVERSAL, BUT EACH FACILITY IS UNIQUE.

Even though you may be familiar with sterilization and instrument processing best practices, the needs and considerations of each facility can be different. These variations can make implementing a sterilization and instrument processing workflow that adheres to best practices a challenge.

Let us help you create an instrument processing center that addresses the specific needs of your facility, your team and your patients. We can help standardize your instrument processing workflow in one facility or across a network of sites.
Configure Your Space

From receiving to storage, your instrument processing space needs to work for you. These layout options are designed to follow the 5-step best practices in instrument processing while giving you the options your practice demands.

**STEP 1**
RECEIVING, CLEANING + DECONTAMINATION

**STEP 2**
PREPARATION + PACKAGING

**STEP 3**
STERILIZATION

**STEP 4**
MONITORING/STERILITY ASSURANCE

**STEP 5**
STORAGE

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**GALLEY**
The galley layout consists of workspaces on two opposing walls with a single traffic lane between. This arrangement allows for easy access and efficient workflow, helping your staff keep the process moving using a linear flow while also keeping everything within reach.

**U-SHAPED**
Multiple cleaners and sterilizers demand space—a U-shaped workspace design provides that and more. Ample surface areas allow more staff in the room to multitask and maintain a bustling workflow.

**L-SHAPED**
An L-shaped counter arrangement maximizes use of available space where elbow room is limited. The space you have can be all you need for a better instrument processing workflow.

**STRAIGHT LINE**
Perfectly suited to the 5-step instrument processing flow, a straight-line workspace design is the picture of efficiency.
Synthesis® Color + Style Options

Synthesis Cabinetry offers different color and styling options to allow you to put your unique signature on a space, whether it is in one office or a multi-facility organization.

HANDLE STYLES

Arc  Flare  Bent and Anti-Microbial*  Bent  Edge

PANEL STYLES

Pinnacle  Serenity  Transcend  **Renew  Cove

CABINET FINISH

Frost  Pebble Grey and Pebble Grey PVC Free  Whisper  Fawn  Venus Silver (metallic)  Flat Iron (metallic)  Pearl Essence (metallic)  Earthen Bronze (metallic)  Dune  Nest  Flex  Path  Sediment  Havan  Radiance  Acorn  Earth  Timber  Storm  Henna

Midmark® Cabinetry vs. Local Millwork

Why Midmark? We can think of many reasons—and it all starts with a better design. The Synthesis cabinetry line is carefully designed and constructed with the clinical space in mind. We incorporate the functional features you will come to appreciate, such as full-extension drawers and asepsis-friendly surfaces that are easy to clean and maintain. We understand wanting to support the shop down the road, but local millwork alternatives are unlikely to match Midmark cabinetry solutions for quality, durability and design.

CABINET FRAME

01 Synthesis Cabinetry  • 18-gauge cold-rolled steel  • Modular design

02 Local Millwork  • Often made from 1/2” to 5/8” low-density particle board or various types of plywood  • Basic or limited design

PANEL SUBSTRATES

01 Synthesis Cabinetry  • PVC thermofoil (woodgrain and metallic colors)  • PVC thermofoil and electrostatic, powder-coated paint (solid colors)

02 Local Millwork  • High-pressure laminate  • Do not always follow proper application methods  • May use low-grade substrate material  • Less than 2 mm edgebanding  • Varnished, painted or left unfinished

BASE MATERIAL

01 Synthesis Cabinetry  • PVC thermofoil (woodgrain and metallic colors)  • PVC thermofoil and electrostatic, powder-coated paint (solid colors)

02 Local Millwork  • Varnished, painted or left unfinished

FINISHES

01 Synthesis Cabinetry  • Mechanical fasteners (screws, pop metal and Tog-L-Loc® sheet metal joining system)

02 Local Millwork  • Frequently use staple fasteners

DRAWER SLIDES

01 Synthesis Cabinetry  • Seamless, polystyrene drawers

02 Local Millwork  • Inside drawers are often varnished, painted or left unfinished

HANDLES

01 Synthesis Cabinetry  • Integrated and insert handle option  • Brushed nickel pull options

02 Local Millwork  • Must use “C” style pulls made of plastic or aluminum

**EPA Registration Numbers 84542-7 and 087753-CT-001

**Available in Pebble Grey or Pebble Grey PVC Free only

Fabrication of local cabinets may vary. However, materials depicted are typical of local millwork cabinetry.
PROVEN DESIGNS
Midmark instrument processing solutions are designed from the inside out to perform consistently throughout the life of the product. Our products do their job, so you can do yours.

EFFECTIVE TECHNOLOGY
What good is technology if it’s not easy to use? Midmark instrument processing solutions are built to be simple to use right out of the box. And if you ever need help, we’re here.

RELIABLE SUPPORT
You may not think about your instrument processing equipment until it goes down. But rest assured that if it does, we’ll be there to get you back up and running quickly.
DESIGN SUPPORT

Whether you are building a new practice or remodeling your current instrument processing center, the prospect can be overwhelming. Our in-house design experts are ready to help you every step of the way, including partnering with your preferred dealer and working with existing floorplans and designs. We can help you choose from a variety of designs, configurations and styles and all specific to your instrument processing needs. Let’s design a better instrument processing experience.
### M3 ELECTRICAL REQUIREMENTS

- **Input:** 115 VAC, 50/60 Hz, 12 A
- **Single Phase**
- **Heater power:** 1,400 W
- **Maximum Power Consumption:** 1,400 W

### QC1 ULTRASONIC CLEANER

- **Tank Capacity:** 1.2 gal (4.5 L)
- **Length:** 13.5” (34.5 cm)
- **Width w/drain:** 10.2” (26 cm)
- **Height:** 10.4” (26.5 cm)
- **Tank Size:** 11.8” L x 5.9” W x 5.9” H (30 x 15 x 15 cm)
- **Tabletop Unit Weight:** 12.7 lb (5.76 kg)
- **Tabletop Shipping Weight:** 14.6 lb (6.64 kg)

### M9 + M11 ELECTRICAL REQUIREMENTS

- **Input:** 115 VAC, 50/60 Hz, 15 A
- **Single Phase**
- **115 VAC has 1,425 W tubular immersion heater**

### ALL RITTER® STERILIZERS

Meet the requirements of ASME Boiler and Pressure Vessel Code

Canadian Registered – CRN number is available

Recommend a separate (dedicated) circuit

1 Year Limited Warranty

### QC3/QC3R ELECTRICAL REQUIREMENTS

- **Input:** 115 VAC +/-10%, 60 Hz, 110 W, 1.0 A
- **Output:** 100 W

### QC6/QC6R ULTRASONIC CLEANER

- **Tank Capacity:** 6.6 gal (25L)
- **Length:** 21.6” (55 cm)
- **Width w/drain:** 16.5” (42 cm)
- **Height:** 14.3” (36.5 cm)
- **Tank Size:** 19.8” x 11.8” x 7.8” (50.5 x 30 x 20 cm)
- **Tabletop Unit Weight:** 29.6 lb (13.4 kg)
- **Tabletop Shopping Weight:** 32.6 lb (14.7 kg)
- **Recessed Unit Weight:** 32.9 lb (14.9 kg)
- **Recessed Unit Shipping Weight:** 35.8 lb (16.2 kg)

### QC6/QC6R ELECTRICAL REQUIREMENTS

- **Input:** 115 VAC +/-10%, 60 Hz, 210 W, 1.8 A
- **Output:** 200 W

### M9/M11 ACCESSORIES + SUPPLIES:

- **9A599001 Thermal Printer**
- **9A401001 Printer**
- **9A404001 Top Cover Protector**
- **9A402001 Door Tray**
- **9A686001 Single VistaCool Unit**

### QC3/QC3R ACCESSORIES + SUPPLIES:

- **9A307001 Cool Hand Tool**
- **9A682001 Sterilizer Data Logger**
- **9A687001 Double VistaCool Unit**
- **9A688001 QC1 Safety Basket**
- **9A689001 QC3/QC3R Safety Basket**
- **9A690001 QC5/QC5R Safety Basket**

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### SOURCES

2. [https://journals.sagepub.com/doi/10.1177/003335490712200205](https://journals.sagepub.com/doi/10.1177/003335490712200205)
3. [https://www.cdc.gov/infectioncontrol/guidelines/disinfection/sterilization/sterilizing-practices.html](https://www.cdc.gov/infectioncontrol/guidelines/disinfection/sterilization/sterilizing-practices.html)